Declassified in P	art - Sanitized Copy Approved for Release 2012/09/13 : 0	CIA-RDP78-03535A000500070030-5
	Chief, Operations & Training Division, OC	18 March 1957
	Chief, Engineering Division, OC	
	CV-1 Converter	
REF :	O&T Memorandum (56-445 dated 13 August 1956)	Manust 25X1
	1. In accordance with the above request Serial #123 and #124, were forwarded to MSB or copies of the Operating Notes and Instructions	this date. Two
	2. These units differ from those previous printed circuitry has been used in construction been included to prevent the antenna lead from	m and a provision has
	3. In accordance with earlier discapacitor knob was not changed on this model. represents the best compromise between reliable desired dimensions that is available to date. twenty to twenty-five companies were reviewed without success. The capacitor used is design tions and is intended for screwdriver control. from very thin silvered ceramic discs which re has proved to be far too fragile to withstand even in careful usage, when the point of applications and that now used. It is for this reason to bar type knob is supplied. The use of this capacitor may be justified; however, the advisabiliuse in production quantities is subject to ser	The capacitor used lity, economy, and Stock units of some early in the program ed for trimmer applica- It is constructed ther extensive testing the side thrust applied, cation is extended much hat the present recessed- pacitor in prototype ity of its continued
	4. The R&D Laboratory has just completed multiple-plate, teflom-dielectric, miniature conthe unit is small enough for use in the CV-1, and tests on the one engineering model indicate procharacteristics. However, the unit is not in a company's intentions in this regard are being advantage may accrue from the fact that the ray will permit the frequency coverage of the convergence range will be required to determine who may range will be possible in one unit.	the results of the mising electrical production and the checked. An additional age of this capacitor erter to be extended.
	· · · · · · · · · · · · · · · · · · ·	DOCUMENT NO. NO CHANGE IN CLASS. X DECLASSIFIED CLASS. CHANGED TO: TS S C NEXT REVIEW DATE: AUTHOR HE TO A

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AUTH: HR 70-2
DATE: 3 DEC REVIEWER: 064540

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indications possible, to eliminate in the production units the hazard of circuit damage in the event the battery polarity is reversed. A circuit for this purpose is now being tested. With the exception of the final inclusion of this circuit and the solution of the capacitor problem, all of the material essential to external production has been completed.

 $\bigcap M$

R&D/Lab/AJS/jcm (18 March 1957)

25**X**1

Distribution:

Original and 1 - Addressee

1 - R&D Lab Subject

1 - R&D Chrono

1 - OC-E Reading

1 - OC-E Subject

1 - OC-E Chrono

1 - Dev/s

1 - R&D/EP

OUT 56- 445

Chief, Engineering Mivinien, CC

12 AUG 1956

Chief, Operations and Training Division, CO

Regions for High Frequency CV-1 converters

- 1. It is requested that the Rid Laboratory undertake on a low princity basis the construction of 2 GV-1 converters having a frequency range of at least 6 - 12 may. The upper range limit should be extended as high as prestical.
- 2. These waits should be delivered to 03-043/83 for evaluation and test. It is planned to send at least one of these units to where an interest has been indicated in a high framency version or the CV-1.

25X1

25X1

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AUTH: HR 70-2

DATE: 3 1980 REVIEWER: 064540